

~~WHAT IS CLAIMED IS:~~

1. An information processing apparatus that is electronically connectable to electronic equipment, the apparatus executing a predetermined process for main image data, sub image data and sound data stored in said electronic equipment, the apparatus comprising:

5 input means for inputting information from the electronic equipment, the information including first information relating to types of said data stored in said 10 electronic equipment, and second information that identifies inter-relationships among said data;

15 correlating means for correlating said first information into units based on said second information;

20 generating display information from the correlated first information which are correlated by said correlating means; and

25 output means for outputting the display information generated by said display information generation means for display on a display device.

2. The information processing apparatus of claim 1, wherein said electronic equipment is an electronic camera that stores recording units that include at least one of the main image data, the sub 25 image data and the sound data, each of the data that is in the same recording unit having the same second information.

3. The information processing apparatus of claim 2, wherein said display information is generated 30 for each said recording unit and comprises at least one first icon whose display format is changed based on the existence of each of the main image data, the sub image data and the sound data included in said recording unit.

35 4. The information processing apparatus of claim 3, further comprising:

designation means for designating a second icon which is displayed on said display device; and

reading means for reading data from said electronic equipment corresponding to the data associated with the second icon when the second icon is designated by said designation means.

5. The information processing apparatus of claim 4, wherein said second icon contains a thumbnail image of the main image data associated with the second icon, the thumbnail image being a reduction of said main image data by a predetermined ratio.

10. The information processing apparatus of claim 2, further comprising:

designation means for designating one of the recording units and for designating one or more types of data to be deleted from the designated recording unit; and

15. deletion means for deleting the designated data from the designated recording unit.

7. The information processing apparatus of claim 2, further comprising:

20. designation means for designating one of the recording units and for designating one or more types of data to be read from the designated recording unit; and

reading means for reading the designated data from the designated recording unit into the information processing apparatus.

25. 8. An information processing apparatus that is connectable to electronic equipment to execute data processing operations on main image data, sub image and sound data stored in the electronic equipment, the apparatus comprising:

30. an interface through which information from the electronic equipment is input to the apparatus, the information including first information relating to types of data stored in the electronic equipment and second information that identifies inter-relationships among the data; and

a controller that correlates the first information into units based on the second information and generates display information from the correlated first information for output to a display device.

5           9. An information processing method, executed in an information processing apparatus when connected to electronic equipment, the method executing a predetermined process for data including main image data, sub image data and sound data stored in said electronic equipment, the method comprising the steps of:

10           inputting first information from the electronic equipment into the apparatus, the first information relating to the types of said data stored in the electronic equipment;

15           inputting second information from the electronic equipment into the apparatus, the second information identifying inter-relationships among said data;

20           correlating said first information into units based on said second information;

              generating display information from said correlated first information; and

              outputting the display information for display on a display device.

25           10. A recording medium that stores a control program to be used by an information processing apparatus that is connectable to electronic equipment and which executes a predetermined process for data including main image data, sub image data and sound data stored in said electronic equipment, said control program including:

30           an input routine for inputting information from the electronic equipment to the information processing apparatus, the information including first information relating to types of said data stored in the electronic equipment and second information that identifies inter-relationships among said data;

a correlation routine for correlating said first information into units based on said second information; and

5 a display information generation routine for generating display information from the correlated first information, the display information for output to a display device.

10 11. The recording medium of claim 10, wherein said electronic equipment is an electronic camera that stores recording units that include at least one of the main image data, the sub image data and the sound data, each of the data that is in the same recording unit having the same second information.

15 12. The recording medium of claim 11, wherein said display information is generated for each said recording unit and comprises at least one first icon having a display format that is changed based on the existence of each of the main image data, the sub image data and the sound data included in said recording unit.

20 13. The recording medium of claim 12, wherein said control program further includes a routine for reading data from said electronic equipment corresponding to the data associated with a second icon when the second icon is designated.

25 14. The recording medium of claim 13, wherein said second icon contains a thumbnail image of the main image data associated with the second icon, the thumbnail image being a reduction of said main image data by a predetermined ratio.

30 15. An information processing apparatus that is connectable to electronic equipment, the electronic equipment storing information in recording units, each recording unit including at least one of main image data, sub image data and sound data, the information processing apparatus comprising:

35 designation means for designating one of the recording units and for designating one or more types of

data to be deleted from the designated recording unit; and

deletion means for deleting said designated data from said designated recording unit.

5 16. The information processing apparatus of claim 15, wherein said electronic equipment is an electronic camera.

10 17. The information processing apparatus of claim 16, wherein said main image data comprises picture data.

18. The information processing apparatus of claim 17, wherein said sub image data comprises image data that serves as auxiliary data for said main image data.

15 19. The information processing apparatus of claim 18, wherein said sub image data comprises line drawing data.

20 20. The information processing apparatus of claim 19, wherein the deletion means deletes all the data contained in the recording unit if the type of said data designated by said designation means is said main image data.

25 21. An information processing apparatus that is connectable to electronic equipment, the electronic equipment storing information in recording units, each recording unit including at least one of main image data, sub image data and sound data, the information processing apparatus comprising:

30 a user interface through which a user can designate one of the recording units and one or more types of data to be deleted from the designated recording unit; and

a controller that controls the deletion of the designated data from the designated recording unit.

35 22. An information processing method, executed in an information processing apparatus when connected to electronic equipment that stores information in recording

units, each recording unit including at least one of main image data, sub image data and sound data, the method comprising the steps of:

5 inputting a designation of the recording unit from which information is to be deleted;

inputting a designation of one or more types of data to be deleted from the designated recording unit; and

10 deleting said designated data from said designated recording unit.

23. A recording medium that stores a control program for use by an information processing apparatus that is connectable to electronic equipment that stores information in recording units, each recording unit including at least one of main image data, sub image data and sound data, the control program including:

20 a first routine for designating one of the recording units and for designating one or more types of data to be deleted from the designated recording unit; and

a second routine that deletes said designated data from said designated recording unit.

24. The recording medium of claim 23, wherein said second routine deletes all the data contained in the designated recording unit when the designated type of data is said main image data.

25. An information processing apparatus that is connectable to electronic equipment, the electronic equipment storing information in recording units, each recording unit including at least one of main image data, sub image data and sound data, the information processing apparatus comprising:

35 designation means for designating one of the recording units and for designating one or more types of data of the designated recording unit; and

reading means for reading said designated data from said designated recording unit from the

electronic equipment into the information processing apparatus.

26. The information processing apparatus of claim 25, further comprising output means for outputting 5 said designated data read by said reading means to a recording apparatus

27. An information processing apparatus that is connectable to electronic equipment, the electronic equipment storing information in recording units, each 10 recording unit including at least one of main image data, sub image data and sound data, the information processing apparatus comprising:

a user interface through which a user can designate one of the recording units and one or more 15 types of data of the designated recording unit; and

a controller that reads the designated data of the designated recording unit from the electronic equipment to the information processing apparatus.

28. An information processing method, executed 20 in an information processing apparatus when connected to electronic equipment that stores information in recording units, each recording unit including at least one of main image data, sub image data and sound data, the method comprising the steps of:

25 inputting a designation of the recording unit from which information is to be read;

inputting a designation of one or more types of data to be read from the designated recording unit; and

30 reading said designated data of said designated recording unit from the electronic equipment into the information processing apparatus.

29. A recording medium that stores a control program for use by an information processing apparatus 35 that is connected to electronic equipment that stores information in recording units, each recording unit

including at least one of main image data, sub image data and sound data, the control program including:

5 a first routine for designating one of the recording units and for designating one or more types of data to be read from the designated recording unit; and

a second routine that reads said designated data of said designated recording unit from the electronic equipment into the information processing apparatus.

10 30. The recording medium of claim 29, wherein the second routine outputs said designated data.